

DIVERSE MARINE AMBITIOUS CLASS CTV

Offshore Wind Crew Transfer Vessel

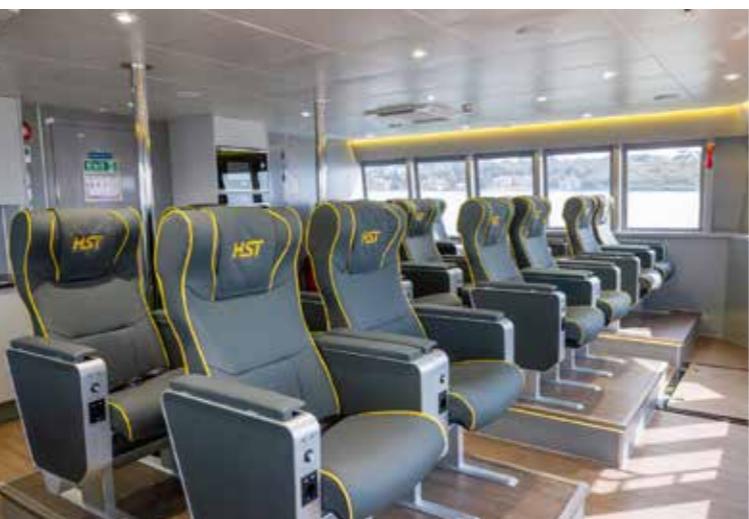


The Diverse Marine Ambitious Class CTV is a pioneering crew transfer vessel design that refines the formula for offshore wind support and demonstrates that the UK can produce and high quality, low maintenance CTV's and still compete with Far East costs but with the added benefit of the no deposit Finance & Lease Programme.

Developed off the back of thirteen years of data and experience in offshore wind vessel design, alongside extensive dialogue and collaboration with CTV operators, wind farm owners and turbine manufacturers, the Diverse Marine Ambitious responds directly to the needs of the end user.

The vessel is sized to be capable and effective in the challenging conditions in the ever-growing offshore wind market. Surpassing the capability that has been achieved by the previous generation of vessels operating offshore. It builds on lessons learnt supporting European projects throughout construction and operation/maintenance.

Available as Twin FPP, Twin CPP, Twin CPP Hybrid and in the future alternative fuels leading to full electric to cater for different end user requirements and budgets.



Validated Performance

The Ambitious Class hull design has been independently validated using the latest computational fluid dynamics (CFD) modelling methods, coupled with thorough 1:12 scale free running model tank testing. Combined, these processes constitute the most rigorous and scientific testing approach for any offshore wind CTV design to date.

The Ambitious Class is configured with maximised internal use of space, a large superstructure accommodates a dedicated technician entrance into a wet room with storage racking, heads compartments and passenger saloon. The crew also has a private galley and mess area.

The main deck is 'step free' for the technicians with a large forward deck capable of accommodating 10ft and 20ft containers, main deck crane and Buoyant Works bow fender system.

DIVERSE MARINE AMBITIOUS CLASS CTV

Offshore Wind Crew Transfer Vessel

GENERAL

Construction Material	Aluminium
Superstructure Mounting	Welded
Classification	Bureau Veritas
	I+ Hull • Mach Wind Farm
Flag	Service Ship-S1 Sea Area 3
	UK MCA Workboat
	HS-OSC

DIMENSIONS

Length Overall	26.0m
Beam Overall	8.63m
Depth at Midships	3.42m
Maximum Draft	1.39m
Lightship Displacement	90.00T
Deadweight	26.60T
Cargo Area	90m ²
Deck Load	1.5T/m ²
Crew	3-4
Industrial Personnel	24

TANK CAPACITIES

Marine Gas Oil	16 m ³
Fresh Water	2.0 m ³
Grey Water	0.5 m ³
Black Water	0.5 m ³
Bilge/Dirty Water	0.7 m ³
AdBlue/UREA	2.0 m ³

PROPELLION (Base Vessel)

Main Engines	4 x MAN D2862
Installed Power	2132kW
Gearboxes	2 x ZF3050V
Propulsion	2 x MMP FPP Shaft Lines
Propellers	2 x 1175mm 5 Blade
Speed Sprint	26.0 kts (Condition 4)
Speed Service	24.0 kts (Condition 3)

ELECTRICAL EQUIPMENT

Network	24v DC, 400/230V 50Hz AC
Generator Sets	2 x BETA GEN40 39kW

DECK EQUIPMENT

Anchor	1 x 150kg VHHP
Anchor Winch	Hercules AAW-150
Deck Crane	TMP 900XL
Bow Centre Fender	Buoyant Works
Bow Shoulder Fender	Buoyant Works
Side Fender	Buoyant Works
Pressure Washer	30-200 bar, 400v, 16l/min FW/SW
Fuel Transfer System	Integrated, Below Deck Reel

FIRE FIGHTING

Engine Space	STAT-X
Fire Pump	1 x DESMI 416l/min, 400v
	1 x DESMI 250l/min, 400v

ACCOMMODATION

Main Deck	2 x Heads/Shower Spaces
	24 x KPM DS100 c/w 4 Point
Wheelhouse	1 x Galley
	1 x PAX Storage Rack
Air Conditioning	DM Command Console
Heating	3 x KPM DS100 c/w 4 Point
	1 x Chart Table Area
	1 x Crew Mess Area
	Toshiba Air Cooled
	Reverse Cycle, Underfloor Heating
	Throughout + Radiators

NAVIGATION & COMMUNICATION

Main Radar	Furuno FAR2218B
Main Electronic Chart	Furuno FMD3100
Second Radar	Furuno DRS4DNXT
Second Electronic Chart	Furuno Time Zero Dual TZ Pro Work
Monitors	2 x Hatteland 24"
	2 x Furuno MUI90
	1 x 15" EMS
Navtex	Furuno NX700B
DGPS	Furuno GP170
AIS	Furuno FA170 Class A
Compass	Furuno SC70 Satellite
Communication	2 x Icom GM600 Class A
MF/HF	1 x Icom GM800 Class A
Log	1 x Walker 7070
Autopilot	Volvo Penta
Talkback	Phontec 3102 20 Way
Echosounder	Furuno FE800
CCTV	16 x IP67 HD + NVR
Internet	Starlink Satellite Array
Passenger Entertainment	Freeview & Radio/DAB

